

Membrane Waterproofing, complete in place.

The protective course will be paid for under the item for protective course.

967.82 Payment Items.

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| 967. | Membrane Waterproofing | Square Meter |
| 966. | Waterproofing Protective Course | Square Meter |

SECTION 970

BITUMINOUS DAMP-PROOFING

DESCRIPTION

970.20 General.

Bituminous damp-proofing to be applied as shown on the plans shall consist of a cut-back asphalt, a protective seal coat emulsion or an asphalt emulsion. If material other than that specified herein is permitted to be used, the method of application shall conform to the published specifications of the manufacturer.

MATERIALS

970.40 General.

Materials shall meet the requirements specified in the following Subsections of Division III, Materials:

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|-------------------------------|---------|
| Cut-Back Asphalt | M3.02.0 |
| Emulsified Asphalt | M3.03.0 |
| Protective Seal Coat Emulsion | M3.03.3 |

CONSTRUCTION METHODS

970.60 General.

Concrete surfaces shall be allowed to dry for a period of at least 5 days after the removal of forms before damp-proofing is applied.

Surfaces to be damp-proofed shall be made reasonably smooth and free from all projections and holes. All holes in concrete surfaces shall be satisfactorily filled with 1 part cement to 2 parts sand mortar before damp-proofing is applied. Concrete surfaces shall be properly cured before being damp-proofed. Surfaces shall be dry and immediately before the application of the damp-proofing shall be thoroughly cleaned of dust and all loose material. Damp-proofing shall not be done during wet weather, nor when the weather conditions as to temperature otherwise are unsatisfactory.

The material for damp-proofing shall be mopped or sprayed on the designated surfaces as directed and in amounts necessary to obtain a 2 coat coverage of not less than 2 liters of asphaltic material per 10 square meters of area.

The initial coat of damp-proofing shall be allowed to dry thoroughly before a second coat is applied. The final coat shall be thoroughly dry before any fill is placed against it.

COMPENSATION

970.80 Method of Measurement.

Damp-proofing will be measured by the actual area of surface covered in square meters.

970.81 Basis of Payment.

Bituminous damp-proofing will be paid for at the contract unit price per square meter of surface under the item for Bituminous Damp-Proofing, complete in place.

970.82 Payment Item.

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| 970. | Bituminous Damp-Proofing | Square Meter |
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SECTION 975

METAL BRIDGE RAILINGS

DESCRIPTION

975.20 General.

Work under this item shall consist of furnishing and erecting metal bridge railing in accordance with the design and in close conformity with the lines and grades shown on the plan or as established by the Engineer.

MATERIALS

975.40 General.

Materials shall meet the requirements specified in the following Subsections of Division III, Materials:

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|----------------------------|---------|
| Bridge Railing, Aluminum | M8.13.0 |
| Bridge Railing, Galvanized | M8.13.1 |
| Rubber-Cotton Duck | M9.16.1 |
| Galvanizing | M7.10.0 |

The Contractor will be required to submit specifications showing the chemical and physical analyses to the Department Inspector for approval.

CONSTRUCTION METHODS

975.60 Shop Drawings.

After the Contract is awarded, the Contractor shall furnish the Engineer with complete detail or shop drawings of the proposed work in accordance with the requirements of Subsection 5.02. No material for the bridge railings shall be fabricated before the approval of the detail or shop drawings by the Engineer.

975.61 Welding.

Fabrication of Metal members can only be performed by fabricators who are approved by the Department as specified in Subsection 960.61. Steel components shall be blast cleaned prior to fabrication. The blast cleaning shall conform to the steel Structures Painting Council Surface Preparation Specification "Near-White Blast Cleaning," SSPC-